

ANTENNA POWER MONITOR UD2A5 AND UD2A9 REMOVAL PROCEDURE

Two technicians are required for this procedure.

Equipment and Tools Required.

Pliers
Wire Cutters
Ladder, 20-foot extension
Harness, safety

Initial Conditions/Preliminary Setup.

This procedure applies to ORDA sites only.

WARNING

Failure to perform applicable shutdown steps could cause serious injury or death from antenna radiation or antenna movement.

NOTE

The NEXRAD radome is classified as a Permit Required Confined Space. The radome contains electrical (150 VDC max at slip rings), mechanical/physical (moving antenna), and radiation (nonionizing) hazards. Completion of the Lockout/Tagout (LO/TO) shutdown steps eliminates the hazards and allows reclassification of the radome as a Non Permit Required Confined Space.

1. Perform pedestal shutdown and lockout procedures in paragraph 2.3.4.3 of EHB6-513 for LPP or EHB6-514 for FSP.

WARNING

Failure to place the pedestal PWR ON/SAFE Safety Interlock Switch to the SAFE position could cause serious injury or death.

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2. At the azimuth housing, ensure the PWR ON/SAFE Safety Interlock Switch is set to the SAFE position.

WARNING

Failure to move azimuth and elevation stow pins from OPERATE to STOW could cause serious injury or death.

3. Ensure that the azimuth and elevation stow pins are in STOW.
4. At FSP sites, place the ladder on the ladder hook on the side of the pedestal near the power monitor(s). At LPP sites, place the ladder on the upper ladder hook above the elevation assembly access door.

WARNING

The technician who climbs the ladder is responsible for putting on the safety harness and hooking it to a safe position.

5. Don safety harness prior to ascending ladder.
6. Ensure that the technician wearing the safety harness is secured to pedestal prior to starting removal procedure.
7. Remove cable 2W21 or 2W27 from 2A5J1 or 2A9J1 of the power(s) monitor.
8. Unscrew the type-N connector on the other end of the power monitor(s) and remove power monitor(s).
9. Remove cable 2W21 or 2W27 connector from A1J1 of the antenna/pedestal.
10. If UD2A1FL1 RFI power monitor filter is installed, remove UD2A1FL1 RFI power monitor filter and cables 2W29 or 2W30.
11. Remove all fasteners securing the 2W21 or 2W27 and remove cable.
12. Unhook safety harness from pedestal securing point and descend ladder.
13. Remove ladder from elevation housing and place on floor of pedestal.
14. Restore the system per paragraph 2.3.4.4 per EHB6-513 for LPP or EHB6-514 per FSP.
15. Ensure the PWR ON/SAFE Safety Interlock Switch on the azimuth housing is set to PWR ON before descending from the radome.

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16. Return system to normal operation.